

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा
स्वास्थ्य सूचना विज्ञान - चिकित्सा तरंग प्रारूप
भाग 2 इलेक्ट्रोकार्डिओग्राफी
[IS/ISO/TS 22077-2 का पहला पुनरीक्षण]

Draft Indian Standard
Health Informatics — Medical Waveform Format
Part 2 Electrocardiography

[First Revision of IS/ISO/TS 22077-2]

[ICS 35.240.80]

Health Informatics Sectional Committee, MHD 17

Last date for comments 12.02.2024

NATIONAL FOREWORD

(Adoption clause will be added later)

This standard was published in 2018. The first revision has been undertaken to align it with the latest version of ISO 22077-2:2023.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'
- Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

The technical committee responsible for the preparation of this standard has reviewed the provisions of following mentioned International Standards and has decide that they are acceptable for use in conjunction with this standard:

*International Standard/
Other Publication*

Title

ISO 22077-1

Health informatics — Medical waveform format — Part 1:
Encoding rules

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test shall be rounded off in accordance with IS 2: 2022 'Rules for rounding off numerical values (*revised*)'.

Scope

This document defines the application of medical waveform format encoding rules (MFER) to describe standard electrocardiography waveforms measured in physiological laboratories, hospital wards, clinics, and primary care medical checkups. It covers electrocardiography such as 12-lead, 15-lead, 18-lead, Cabrera lead, Nehb lead, Frank lead, XYZ lead, and exercise tests that are measured by inspection equipment such as electrocardiographs and patient monitors that are compatible with MFER.

Medical waveforms that are not in the scope of this document include Holter ECG, exercise stress ECG, and real-time ECG waveform encoding used for physiological monitors.

The technical content of the document has not been enclosed as it is identical with the corresponding ISO standard. For details, please refer to ISO 22077-2:2023 or kindly contact:

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